



US Army Corps
of Engineers

EPA Region 5 Records Ctr.



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Former Nike site C-70
SF/Tech



IEPA

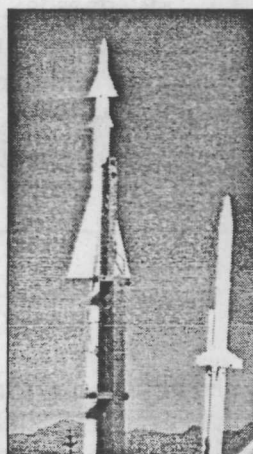
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Former Nike Missile Battery C-70 Naperville, Illinois

The Past

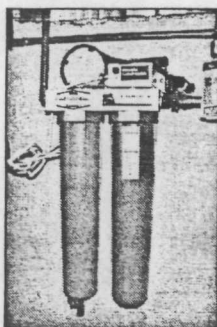
A piece of history

Located on 47.28 acres, the Nike Missile Battery C-70 launch area operated as part of the Department of Defense between 1955 and 1964. The only structure that remains is a missile silo that is now a storage facility.



Fourteen of the 47 acres are owned and used by the City of Naperville as a recreational park and the remaining 33 acres now house office buildings, which are owned by various businesses.

Under the Defense Environmental Restoration Program for Formerly Used Defense Sites, the U.S. Army Corps of Engineers began investigating the former Nike site. In 1988, three groundwater-monitoring wells were installed and sampled. In 1991, the monitoring wells were sampled for heavy metals. In 1996, fieldwork was performed and a Site Investigation Report was completed in October of 1997. In 1998, the supplemental site investigation found a trace of trichloroethene (TCE) in the groundwater. In 2000, monitoring wells were installed and samples indicated levels of TCE above 5 parts per billion, which exceed the federal drinking water standards.



In June 2000, the Corps of Engineers conducted sampling of residential wells and all but three had no traces of TCE in their water supply. Of the 43 residential wells sampled as of July 2001, nine residential homes have had TCE detected in their

wells, three of which exceeded the federal drinking water standards. Bottled water was supplied until a whole-house filtration system was installed at these three homes. The residential wells continue to be sampled every quarter and annually for the other residents.

The Present

Current environmental activities

The first phase of the Remedial Investigation involves two stages of well installation and sampling. During Stage I, which was conducted in September 2001, six shallow and four deep wells were installed and sampled in October 2001. These wells provided more information about the direction of groundwater flow, contaminant distribution and geology for the future development of a site conceptual model. The existing nine wells were sampled in August 2001. The results of the latest round of sampling indicate that there may be multiple sources of TCE contamination. The sampling results found only a very small trace of TCE in the shallow aquifer above the residential area. The amount of TCE was below the federal drinking water standards.



The installation of the Stage II monitoring wells were completed in November 2001 and involved placing three shallow wells north of Diehl Road and two wells east of Park Street. These wells will be sampled in December.

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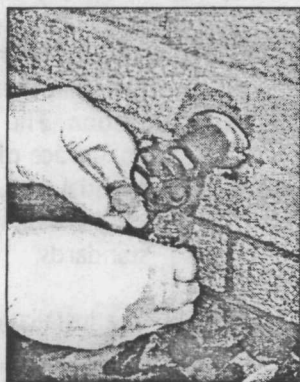
REVIEWER MD

The Future

Exploring Actions to Address Environmental Contamination

The U.S. Army Corps of Engineers is transferring the Nike Missile Battery C-70 environmental project from the Buffalo District to the Louisville District, located in Louisville, Kentucky. The team has been working together to make this transition as smooth as possible without any delay in the investigation.

The Louisville District will be directing the future actions of this project, which will include collecting and evaluating all data available on this investigation to delineate any potential impact to human health and the environment as a result of any previous Army activities.



The Corps plans to continue to monitor residential wells and maintain water filtration systems installed in homes in the area. The investigation will move forward to determine if

the source of the TCE contamination is from past Department of Defense activities or another source. If it is determined that the Army is responsible for the contamination, then a record of decision and remedial action will be put in place to resolve the contamination.

If it is determined that the Army is not the source of the TCE contamination, then a transition of data will be coordinated with the Illinois Environmental Protection Agency who will continue to pursue this contamination.

Public Participation

Join us for a Community Meeting
Wednesday, December 12
3:00 p.m. to 5:00 p.m.
and 7:00 p.m. to 9:00 p.m.
Holiday Inn Select
1801 North Naper Blvd.

Members of the environmental team from the Corps of Engineers, Buffalo District will introduce new team members from the Louisville District.

The meeting is open to the public and will outline the site history, current activities and plans for the future. Corps personnel will be available to address your questions throughout the session.

For further information, contact:

Michelle Rhodes, Project Engineer, Buffalo District, (716) 879-4198

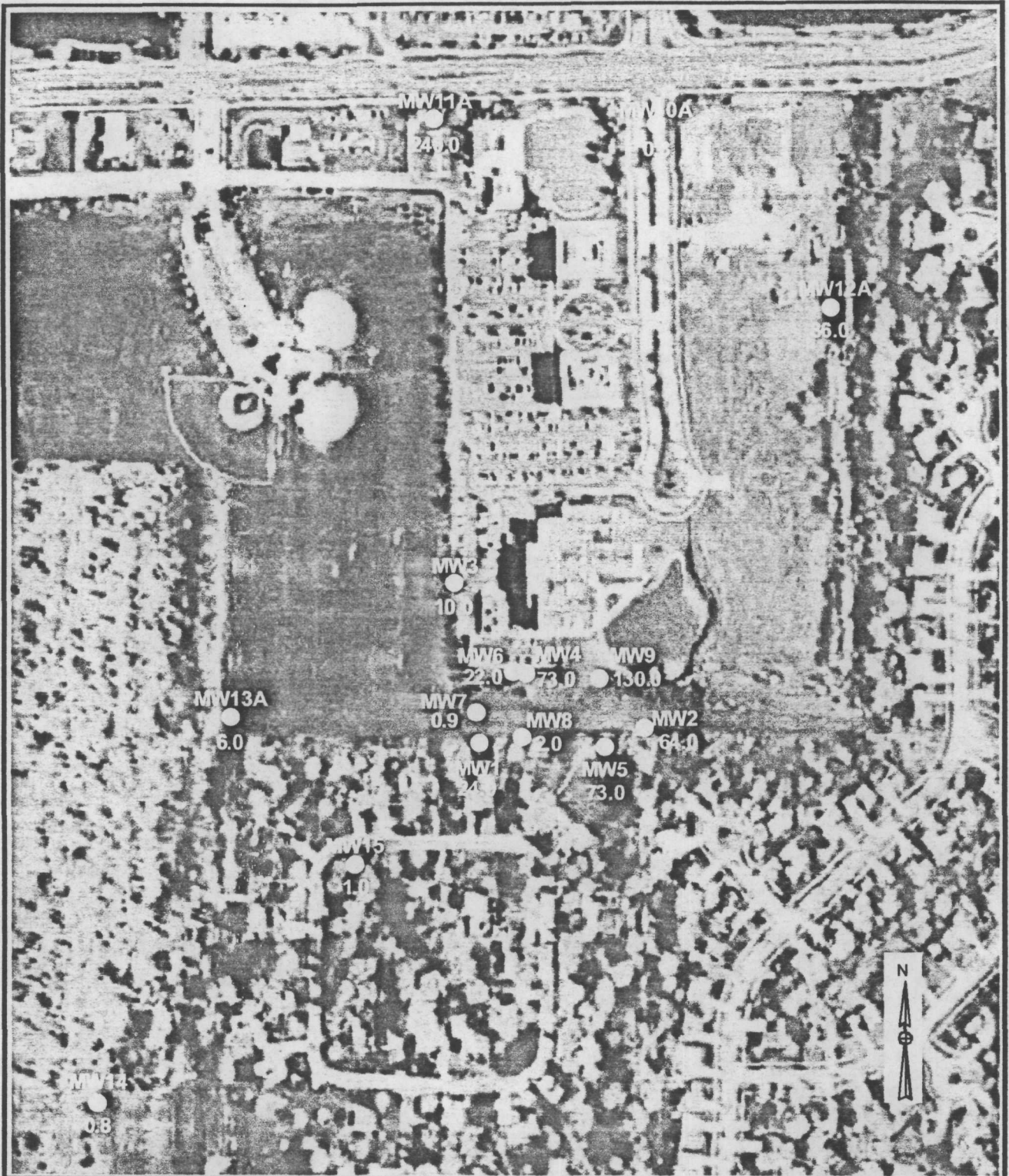
Melody Thompson, Project Manager, Louisville District, (502) 315-6834

Doug Buchanan, Project Engineer, Louisville District, (502) 315-6334

Kimberlee Turner, Public Affairs, Louisville District, (502) 315-6835

1-800-527-4636 (toll-free to reach Louisville District)

Visit the Web site:
www.lrl.usace.army.mil



Filename: C-70_Nike_Site_r7.apr
 Project: NIKE Missile Battery C-70 Site
 Created: 10/17/01 CP
 Revised: 10/17/01 CP
 Source:



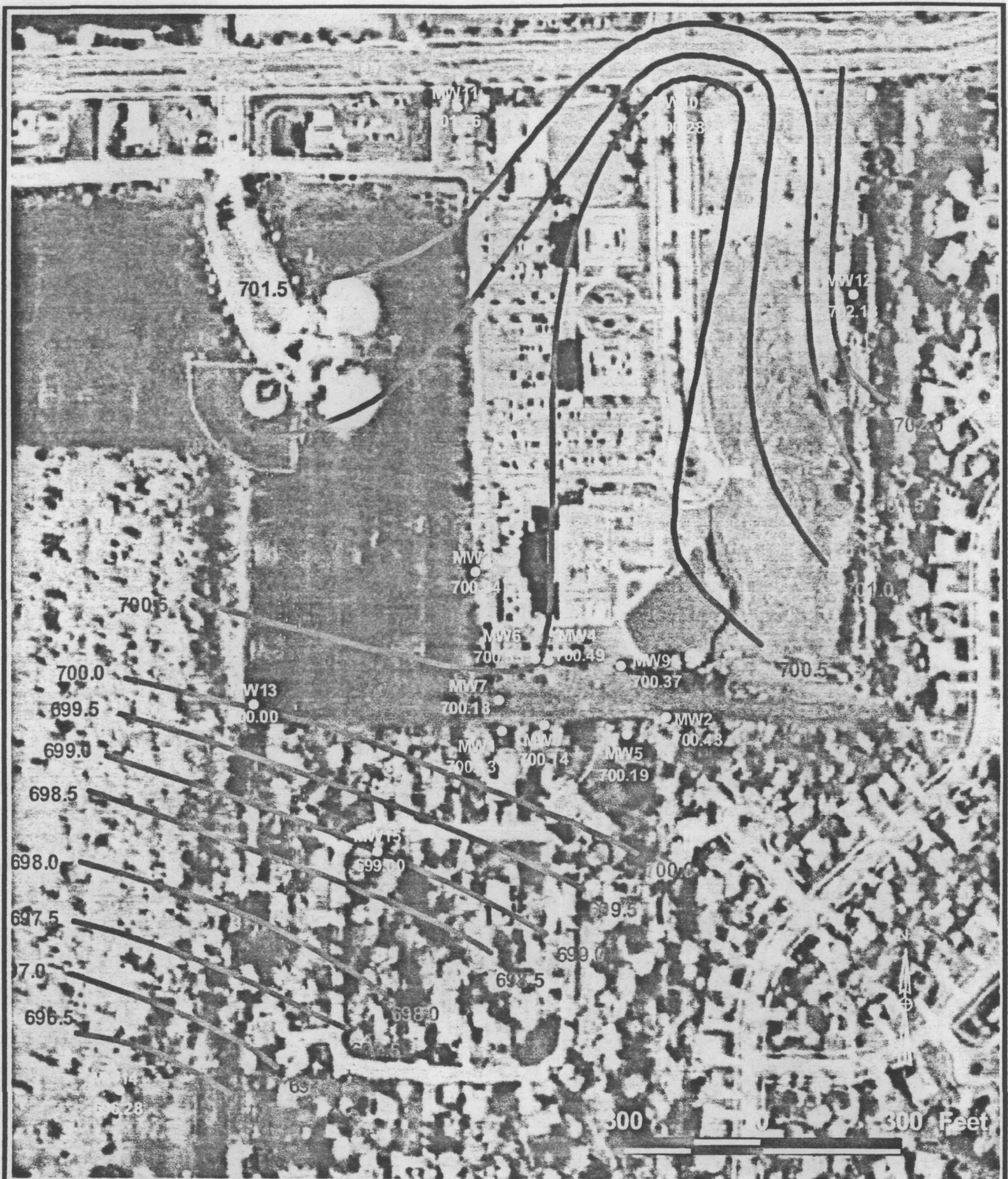
HYDRO
Geologic

Legend

MW-1 Monitoring Well Identification
 700.13 TCE Concentration (ppb)

Figure 6a.

TCE Concentrations in the Shallow Aquifer



Filename: C-70_Nike_Site_Shallow.apr
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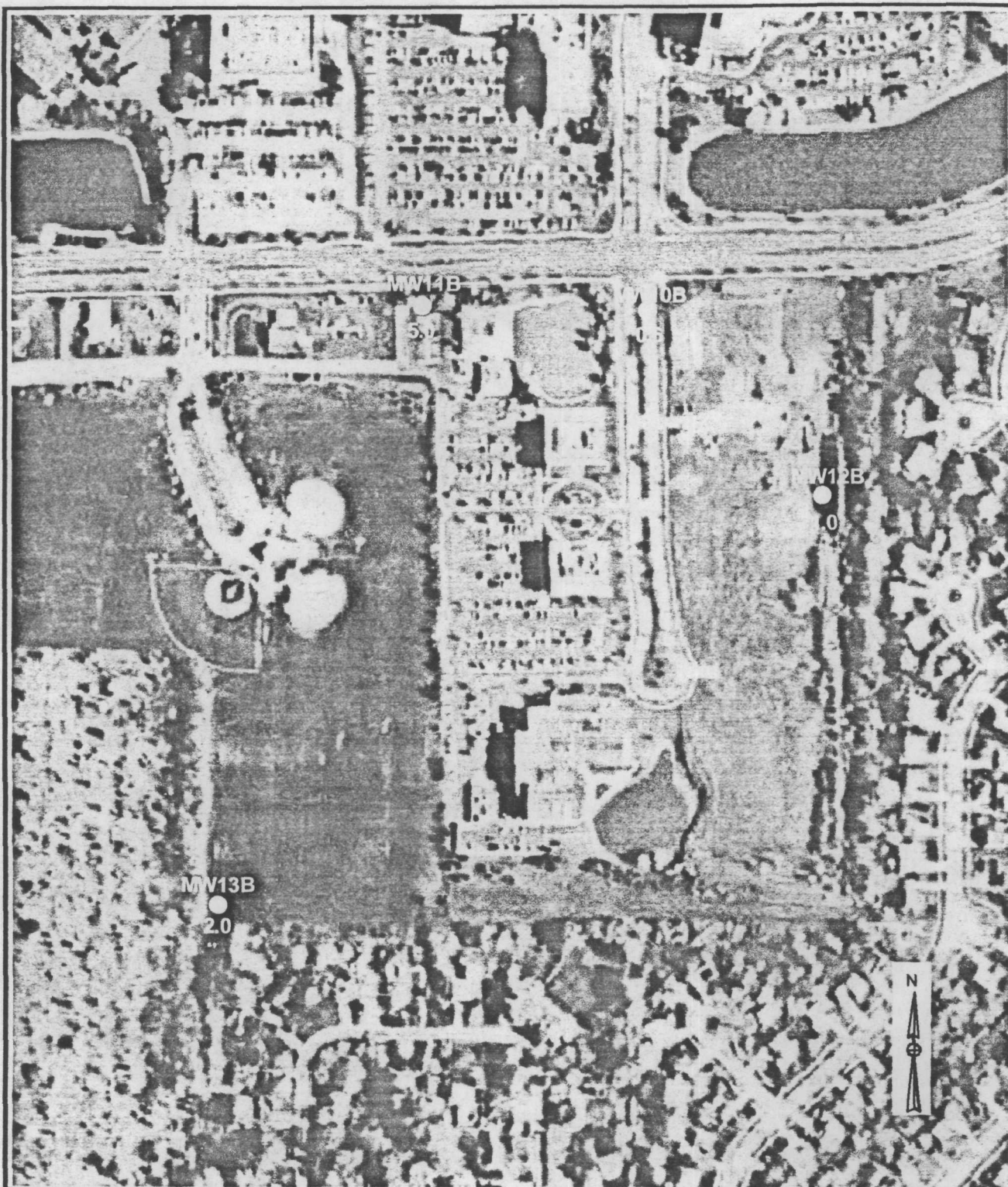


HYDRO
 Geologic

Legend

- Water-Level Contour
- MW-1
- 700.13
- Water-Level Elevation (ft, msl)

Water-Level Elevation (Shallow Aquifer)



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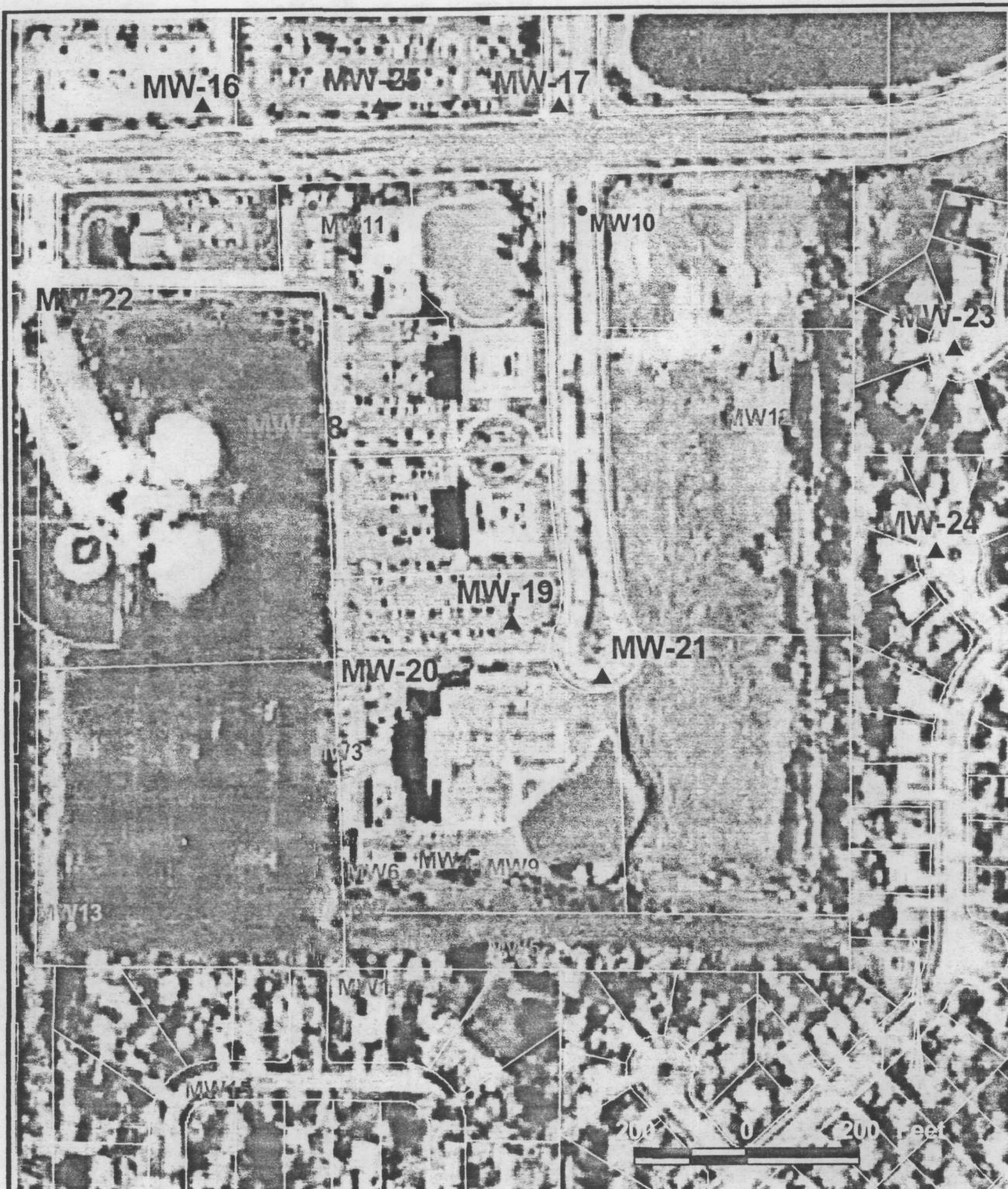
HYDRO
 Geologic

Legend

MW-1 Monitoring Well Identification
 ●
 700.13 TCE Concentration (ppb)

Figure 6b.

TCE Concentrations in the Deep Aquifer



Filename: C-70_Nike_Site_Shallow.apr
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HYDRO
 Geologic

Legend

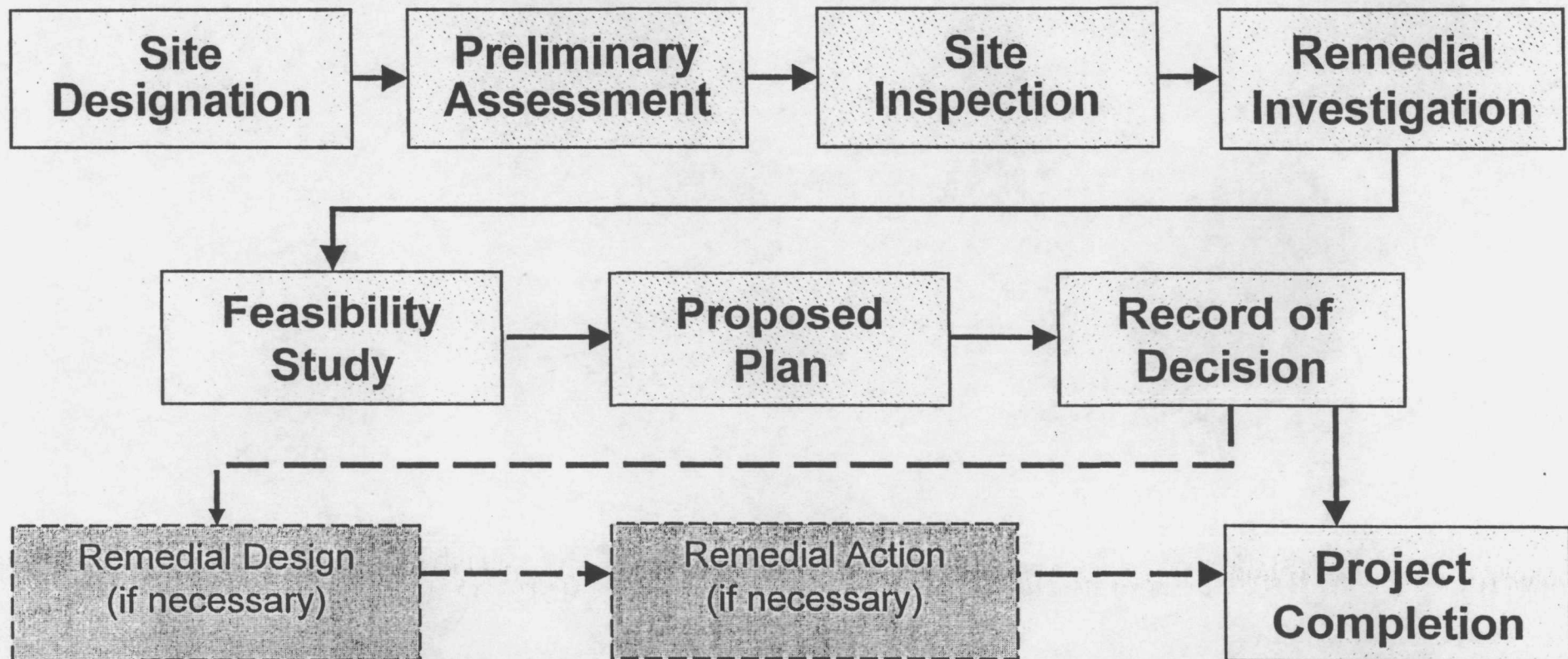
- MW-1
 ● Existing Monitoring Well Location
- MW-25
 ▲ Proposed Monitoring Well Location

Proposed Well Locations



US Army Corps
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Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Process for DERP-FUDS



A removal action may be initiated at any time during the process if human health or the environment is in immediate danger.



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The CERCLA Decision-Making Process for DERP-FUDS

